Biology 2 S347 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Herbst/McCloud Period 1 2 3 4 5 6 7 8

**Genetically Engineered Project**

The purpose of this activity is to make us aware of some of the real life applications of genetic engineering. Products have been altered in medicine, agriculture, and livestock. You will find a genetically altered produce that interests you, research it, and make a video on it. You will need upload your video to YouTube and we will watch these videos in class. Your video should be around 3 minutes in length, should include some sort of visual that will help you sell this idea to your audience, and it must be presented in an **infomercial type format**.

**You will be working in pairs for this assignment ☺**

**Choices of genetic modifications:**

-Fast Growing Salmon -Web Spinning Goats

-Venomous Cabbage -Pollution Fighting Plants

-Environmentally Friendly Pig -Glow in the Dark Cats

-Flavor Savor Tomato -Banana Vaccines

-Less Flatulent Cows -Genetically Modified Trees

-Medicinal Eggs -CO2 Capturing Plants

-Stem Cell Research -Pomato

-Ear Growing Mouse -GloFish

-Bt Corn -Roundup Ready Soybeans

In your video you must make opinions and take a stance on whether or not the genetic modification is ethical.

**You will have 3 times that you must check in with Mr. Herbst about your video process:**

1)\_\_\_2/28/13 You and your partner must have a choice for your video project (5 points)

2)\_\_\_3/4/13 You and your partner must show me evidence that you researched your topic (15 points)

3)\_\_\_3/6/13 You and your partner must show me evidence you have been filming (20 points)

**Checklist:**

\_\_\_1st check with Mr. Herbst

\_\_\_2nd check with Mr. Herbst

\_\_\_3rd check with Mr. Herbst

\_\_\_The history of the genetic modification is in your video

\_\_\_How your genetic modification works is in your video

\_\_\_You and your partner have an opinion if your genetic modification is ethical

\_\_\_You made sure to explain all the organisms that were involved in your genetic modification

\_\_\_Your video is uploaded to YouTube

\_\_\_Your video has been submitted to Mr. Herbst via Google Forms (link on HerbstScience.com)

**How your video will be graded:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Present/Accurate | Lacking/Inaccurate | Poor | Missing |
| All group members play an equal role during the video and research. | 10 | 8 | 5 | 0 |
| How does your genetic modification work? | 10 | 8 | 5 | 0 |
| History of the genetic alteration. | 10 | 8 | 5 | 0 |
| What organisms are involved in your  alteration? | 10 | 8 | 5 | 0 |
| Impact on society and taking an ethical standpoint. | 10 | 8 | 5 | 0 |
| Creative, uploaded to YouTube, video portrays your passion for the genetic alteration. | 10 | 8 | 5 | 0 |

Total:\_\_\_\_\_/60